

Memorandum

TO: J. Cashwell, C. Esakkiperumal
FROM: A. Davis
DATE: July 18th 2019
RE: **Modification to Seismic Lines to Accommodate USEPA's Proposal and the Existing Data in the East-of-Olin Area**

Introduction

Following USEPA's presentation of their questions regarding the "East of Olin" area during the June 26th meeting, Olin recalled (internally) that there is historical seismic information available for the same area. After receipt of USEPA's proposal, we have taken the liberty to re-configure the USEPA's proposed seismic lines to take into account the existing seismic data and also the available bore information. We respectfully request that USEPA consider this re-configuration before we finalize the draft data gaps work plan.

The attached Figure 1 shows the existing line (letter notation), and Olin's proposed modifications (numeric notations). We believe that integrating these data sets will meet USEPA's goals while informing the Conceptual Site Model (CSM). The following describes the Olin approach:

USEPA Line A

Line A is in close alignment with existing line α which intersects GW-74D and will overlap with the proposed Olin line 4. In addition to Line 3 which will intersect outcrops in the area (Figure 2), we propose to collect strike and dip orientations of the fracture surface on the bedrock outcrops (Figure 1) to inform the CSM.

USEPA Line B

Line B is parallel to, and within 50 ft. of existing line β which intersects GW-4D and GW-50D. We propose to extend line β to the south (Olin Line 1) to intersect the possible topographic bedrock high

USEPA Line C

Line C is located along Olin-proposed Line 2 which intersects GW-4D.

USEPA Line D

Line D parallels existing seismic lines γ and δ . We propose to extend δ to the south, intersecting GW-401D at its terminus. We propose to extend γ to the north along Woburn Street (in lieu of USEPA Line F) to evaluate the bedrock trough to the east of the scrapyard. We also propose to extend δ to the south to intersect GW-401D.

USEPA Line E

Line E parallels Olin-proposed Line 6 which is located so as to take advantage of GW-401D and GW-414BR which intersect this line.

USEPA Line F

Line F runs through the former Whitney Barrel property which is under redevelopment and consequently inaccessible.

Summary

Olin is willing to proceed with USEPA's recommended seismic scope, but it may be more efficient to rely on the existing data in concert with a slightly modified seismic investigation to arrive at the same ultimate result. Olin requests USEPA review and concurrence with this alternative path forward for this area. We are available for a telephone call to explain our approach if this would be helpful.

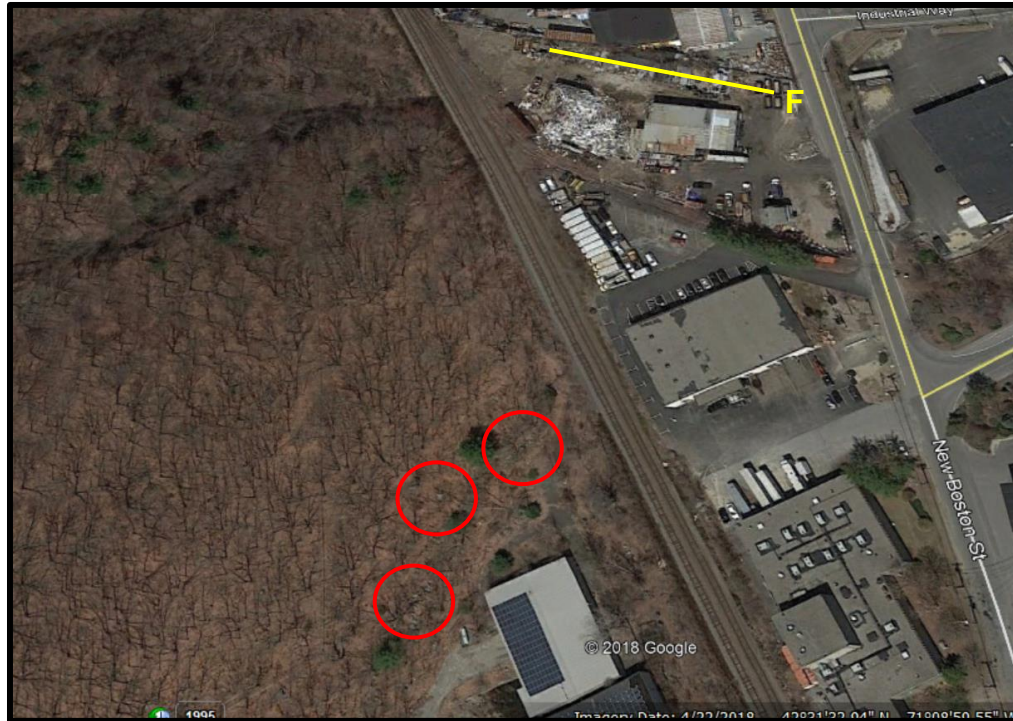


Figure 2. The area east-of-Olin showing Olin Line 3, the location of outcropping bedrock and USEPA Line F through the Whitney Barrel property.

